

ADMINISTRATIVE-INTERNAL USE ONLY

DATA CENTER OPERATIONS BRANCH

NDS OPERATIONS PROCEDURE MANUAL  
NO. P-A012

SYSTEMS SOFTWARE & HARDWARE  
22 January 1986

AUDIT TRAIL VERIFICATION

SYMBOLIC TITLE: N/A

PROGRAMMER:

25X1

ADMINISTRATIVE-INTERNAL USE ONLY

CLASSIFICATION

|   |                           |   |
|---|---------------------------|---|
| DOCUMENT CHANGE REQUEST (DCR)   |                           | DCR NO: <u>0059</u><br>DATE LOGGED: <u>11/20/85</u><br>DATE CLOSED: <u>11/27/86</u> |
| TITLE <u>AUDIT TRAIL TAPE VERIFICATION</u>  |                           | NO. <u>P-0012</u>   |
| INITIATOR <span style="border: 1px solid black; display: inline-block; width: 100px; height: 15px;"></span>   | SECTION <u>SPB/ED</u>     | (IF NEW, ASSIGNED BY CIB/DOC) DATE _____ PHONE _____ 25X1                           |
| TECHNICAL MONITOR _____   | SECTION _____             | DATE _____ PHONE _____  |
| SYSTEM AFFECTED: <input checked="" type="checkbox"/> 1100/OPS <input type="checkbox"/> 1100/M&A <input type="checkbox"/> COINS <input type="checkbox"/> RTMS <input type="checkbox"/> OTHER |                           |   |
| BRANCH CHIEF SIGNATURE <span style="border: 1px solid black; display: inline-block; width: 150px; height: 20px;"></span>  | DATE <u>11/19/85</u> 25X1 |   |
| INITIATING DOCUMENT NO.:    DR # _____    RFC # _____    OTHER <input checked="" type="checkbox"/> _____  |                           |   |
| NEED FOR CHANGE:<br><u>DCOB Procedure Needed to Replace Procedure Supplement 0031.</u>  |                           |   |
| DCOB INTERIM APPROVAL:  |                           |   |
| C/DCOB <span style="border: 1px solid black; display: inline-block; width: 100px; height: 20px;"></span>  | DATE <u>1/14/86</u>       | CONCUR <input checked="" type="checkbox"/> NON-CONCUR _____ 25X1                    |
| FINAL APPROVAL:   |                           |   |
| ED REP.: <span style="border: 1px solid black; display: inline-block; width: 150px; height: 40px;"></span>  | DATE <u>1/16/86</u>       | CONCUR <input checked="" type="checkbox"/> NON-CONCUR _____ 25X1                    |
| C/OD: <span style="border: 1px solid black; display: inline-block; width: 150px; height: 40px;"></span>   | DATE <u>1/22/86</u>       | CONCUR <input checked="" type="checkbox"/> NON-CONCUR _____                         |

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PURPOSE

1. The purpose of the AUDTCK program is to provide ED personnel with the capability to fault isolate and identify malfunctioning computer hardware, affecting the data base, by backtracking from the malfunction's end result, usually data corruption. AUDTCK will also pinpoint where data corruption has occurred, allowing an opportunity to fix the damage without user impact or system down time. Prior to AUDTCK most data base inconsistencies were identified by NDS users and resulted in DMR aborts and schedule impacts.

REFERENCES

2. UP-7928 Operator Reference  
UP-7909 System Support Function

RESPONSIBILITIES

3. The following organizations are responsible for carrying out this procedure:

ED/SPB: Maintenance of the AUDTCK software.

ED/SEB/DBS: Analysis of AUDTCK output.

OD/DCOB: Execution of AUDTCK software, notification to ED/SEB/EPSPersonnel of error conditions and forwarding listings to ED/SEB/EPSPersonnel for analysis.

PROCESSING

4. Verify each Operational System audit trail tape as soon as it rewinds. Expeditions verification is necessary to maximize the probability of fixing errors without user impact. Verify each audit trail (timer) tape on the Operational System by keyin in:

ST SPS\*\$\$\$RUN. AUDITCK/XQT,,D

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The AUDTCK program will be loaded and will solicit an input tape number.

- a. Enter first reel to verify - XXXXXX
- b. Mount Audit Trail input tape and enter the six digit ID number (00NNNN).

When the verification of each tape is completed AUDTCK will output the following message:

ENTER NEXT REEL TO VERIFY - XXXXXX

Respond with 000000 to terminate AUDTCK (i.e., exactly six zeros)

5. Should AUDTCK error, start the following runstream:

ST SPS\*\$\$RUN.AUDIT/LIST,,D

The error file will be sent to device 'PR'. Error conditions are to be reported to ED/SEB/EPS,  during normal working hours.

25X1

6. AUDTCK will produce a computer listing that will be sent to device 'PR'. All output should be sent to ED/SEB/EPS for analysis.

7. If more than one reel is to be verified, answer each delay message with the next input tape number. AUDTCK will continue asking for input tapes until a six zero (000000) response is entered.